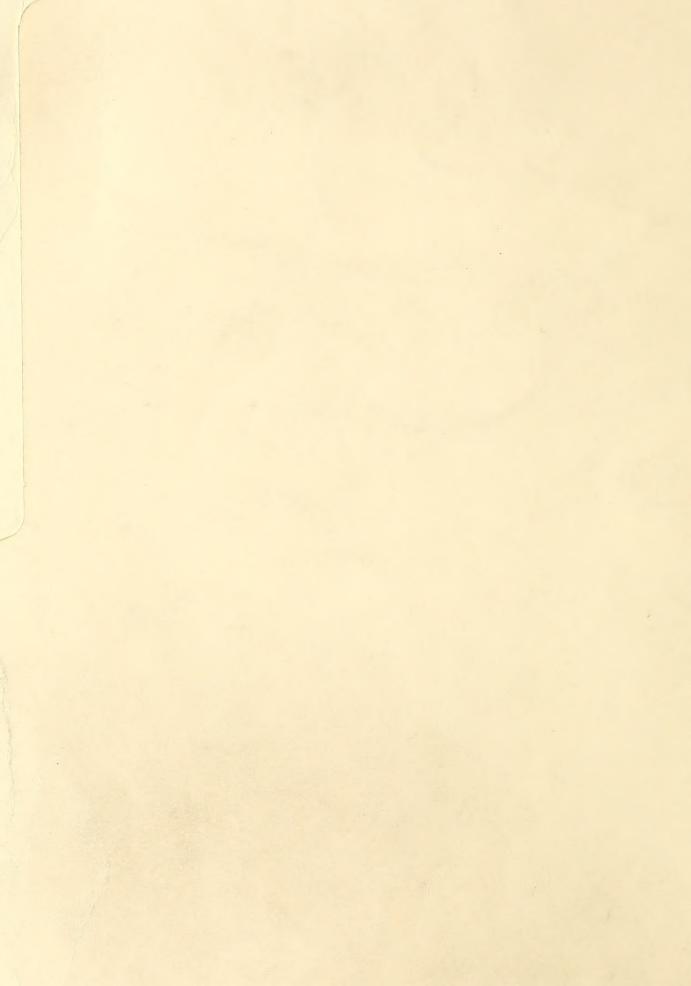
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NOW SURVEYS AND IRRIGATION WATER FORECASTS FOR RIO GRANDE BASIN May 1, 1938

This work is otherwise conducted Departments, other Federal bureaus and local organizations. The snow measurements are made principally by field personnel of the U. S. Forest Service and Colorado State Engineer. This work is otherwise conducted The following data pertaining to snow surveys and irrigation water-supply forecasts are provided by Bureau of Agricultural Engineering of the U. S. Department of Agriculture, in cooperation with State cooperatively with the State Engineers of Colorado and New Mexico, U. S. Weather Bureau, and Colorado Agricultural Experiment Station, and various municipalities, irrigation associations and others.

below normal. For the Pecos, San Juan and Gila watersheds the April precipitation was 0.3, 0.6 and 0.2 inch respectively and from October to April, inclusive the accumulated average was 4.6, 5.9, and 6.2 inches. For this period the precipitation was 0.6 inch below normal for the Pecos; 0.4 inch above normal which was 0.2 inch below normal. For the period October to April inclusive it was 6.6 inches or 0.9 inch In the San Luis Valley in Colorado the precipitation, average of six stations 6,000 feet or more in New Mexico the precipitation on the watershed of the Rio Grande averaged 1.0 inch for the month of April elevation, for April, was 0.9 inch which was 0.1 inch below normal. For the October-April period the average accumulated rain fall was 3.8 inches which was 0.2 inch above normal. In the northern part of for the San Juan and O.4 inch above normal for the Gila.

May 1 the everage water content of the snow on this watershed was 17.5 inches while for these same courses During the month of April the water content of the snow cover on the watershed of the Rio Grande in month. The runoff for the Rio Grande drainage in Colorado this year will be less than it was last year. last year at this time the average water content was 20.0 inches indicating about 12 percent less water held in snow storage. The precipitation in the San Luis Valley during April was slightly below normal, Colorado has been reduced 7.0 inches or about 40 percent based on the average of six snow courses. On and, because of melting and evaporation the snow cover has lost considerably in water content over the

Reservoir storage in the San Luis Valley in Colorado was 26 percent more than it was on May 1, 1937. Storage in the Elephant Butte, El Vada and Caballo reservoirs on the Rio Grande in New Mexico shows a total of 1,267,000 acre-feet or about 40 percent more than for May 1st last year.

Soil moisture conditions over the farming area in the San Luis Valley is reported to be excellent. For the Rio Grande Valley in New Mexico, the soil moisture is reported to be normal.

RIO GRANDE

Bureau of Agricultural Engineering, U. S. Dept. Agri.; Forest Service; Colo. Agri. Expt. Station Issued May 10. 1978. Colo. Expt. Station. Fort Collins. Colo. Summary of Federal And State Cooperative Snow Surveys

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	Main Drainage	Local		Location Elev. Mational		Elev. [National		S	DOW CC	urse I	leasure	ments	rol
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26	26 Wolf Creek Pass		Colo. Wolf	Wolf Cr.Pass	1-37N-28	10000 Rio Grande		36.0 74.5 68.4 17.7 34.4 33.7	500	4 17	34.1	33	1-0
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是	49 River Springs	Conejos R.	=	10mi.W.Mogote	25-33N-6E	9300 "	1	1	20	5.3 0.8	1.7		0.3

*On adjacent drainge

Reservoir Storage in Acre-Feet, Rio Grande Drainage, as of May 1, for the Years 1929-1938 inclusive. (Based on data gathered by the State Engineer of Colorado and the U. S. Bureau of Reclamation). Units in thousands of acre-feet. B = Percentage of 10-year average. A - Percentage of capacity.

Bogowy, 19	1990 0591 pgbl xx 1990	1929	1930	1971	1932	1933	1934	1935	1936	1937 1938		10 yr.	A	В
11001001	Ac-ft.	Ac-ft	Ac-ft Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft	Ac-ft Ac-	Lo-ft Ac	Ac-ft	29	PS
Rio Grande	145.8	80	34.0	5.7	2.7	15.3	4.9	0:	23.6	16.2		12.9	38	136
Santa Maria	45.0	6.6	29.0	12.0	2.41	2.0	6.8	4.	0.0	20.00				100
Sanchez	25.9	7.5	13.0	12.7	10.2	10.2	12.0	1.1	17.8	17.6 19	200		-	155
Terrace	17.7	4.5	1.0	1.0	1.9	9.0	7.1	1.3	4.9	4.	9.0	200		202
Continental	26.7	2.3	2.9	0.0	0.0	6.5	2.6	03	3.3	0.0	0.4			145
Elephant Butte	2273.7	901.3	901.3" 1598.9"1238.	1236.2*	1168.0*	1275.3*	1001-6*	*0°28†	782.5	917-1109	707 006	0.24		105
El Vado	226.0	1	1	-	1	1	1	1	1	140	2.0			
Caballo	365.0			-						₹T	18.01	_	-	
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*Based on capacity of 2,407,100 Acre-Feet

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